Applicant: Kevin R. Heath

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(New) The implantable medical stent of claim 31, wherein the implantable medical stent is a self expanding implantable medical stent.

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- 36. (New) The implantable medical stent of claim 31, wherein the implantable medical stent is in the shape of a tube.
- 37. (New) The implantable medical stent of claim 31, wherein the implantable medical stent includes at least first and second layers, the first layer being formed of the cobalt alloy.
- 38. (New) The implantable medical stent of claim 37, wherein the second layer is formed of a material that is more dense than the cobalt alloy.
- 39. (New) The implantable medical stent of claim 38, wherein the second layer is disposed inwardly of the first layer.
- 40. (New) The implantable medical stent of claim 39, wherein the second material comprises a metal selected from the group consisting of tungsten, tantalum, rhenium, iridium, silver, gold, bismuth, platinum and alloys thereof.
- 41. (New) The implantable medical stent of claim 39, wherein the first metal has a density of 9.9 g/cc or greater.
- 42. (New) The implantable medical stent of claim 39, wherein the first metal has a density of about 16 g/cc or greater.
- 43. (New) The implantable medical stent of claim 39, wherein the first and second layers are coaxial.



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44. (New) The implantable medical stent of claim 38, wherein the second material comprises a metal selected from the group consisting of tungsten, tantalum, rhenium, iridium, silver, gold, bismuth, platinum and alloys thereof.

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- 45. (New) The implantable medical stent of claim 38, wherein the first metal has a density of 9.9 g/cc or greater.
- 46. (New) The implantable medical stent of claim 38, wherein the first metal has a density of about 16 g/cc or greater.
- 47. (New) The implantable medical stent of claim 38, wherein the first and second layers are coaxial.
- 48. (New) The implantable medical stent of claim 37, wherein the second material comprises a metal selected from the group consisting of tungsten, tantalum, rhenium, iridium, silver, gold, bismuth, platinum and alloys thereof.
- 49. (New) The implantable medical stent of claim 37, wherein the first metal has a density of 9.9 g/cc or greater.
- 50. (New) The implantable medical stent of claim 37, wherein the first metal has a density of about 16 g/cc or greater.
- 51. (New) The implantable medical stent of claim 37, wherein the first and second layers are coaxial.
- 52. (New) The implantable medical stent of claim 37, wherein the second layer is disposed inwardly of the first layer.





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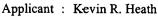
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53. (New) The implantable medical stent of claim 37, wherein the implantable medical stent is in the shape of a tube.

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- (New) The implantable medical stent of claim 36, wherein the implantable medical stent has a length of from about two centimeters to about eight centimeters.
- 55. (New) The implantable medical stent of claim 36, wherein the implantable medical stent has a length of from about four millimeters to about 12 millimeters. 1/-1.2cm
- 56. (New) The implantable medical stent of claim 35, wherein the implantable medical stent has a length of from about two centimeters to about eight centimeters.
- 57. (New) The implantable medical stent of claim 35, wherein the implantable medical stent has a length of from about four millimeters to about 12 millimeters. .4-1.2 cm
- (New) An implantable medical stent having at least three layers including a first 58. layer formed of a first material and a second layer formed of a cobalt alloy, the first material being more dense than the cobalt alloy.
- (New) The implantable medical stent of claim 58, wherein the implantable medical stent has a diameter of from one millimeter to 20 millimeters.
- 60. (New) The implantable medical stent of claim 58, wherein the implantable medical stent has a diameter of from three millimeters to four millimeters.
- 61. (New) The implantable medical stent of claim 58, wherein the implantable medical stent is a balloon expandable implantable medical stent.
- 62. (New) The implantable medical stent of claim 58, wherein the implantable medical stent is a self expanding implantable medical stent.



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(New) The implantable medical stent of claim 58, wherein the first layer is disposed inwardly of the second layer.

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- (New) The implantable medical stent of claim 63, wherein the second material 64. comprises a metal selected from the group consisting of tungsten, tantalum, rhenium, iridium, silver, gold, bismuth, platinum and alloys thereof.
- 65. (New) The implantable medical stent of claim 63, wherein the first metal has a density of 9.9 g/cc or greater.
- (New) The implantable medical stent of claim 63, wherein the first metal has a 66. density of about 16 g/cc or greater.
- (New) The implantable medical stent of claim 63, wherein the first and second 67. layers are coaxial.
- (New) The implantable medical stent of claim 58, wherein the second material 68. comprises a metal selected from the group consisting of tungsten, tantalum, rhenium, iridium, silver, gold, bismuth, platinum and alloys thereof.
- 69. (New) The implantable medical stent of claim 58, wherein the first metal has a density of 9.9 g/cc or greater.
- 70. (New) The implantable medical stent of claim 58, wherein the first metal has a density of about 16 g/cc or greater.
- 71. (New) The implantable medical stent of claim 58, wherein the first and second layers are coaxial.



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(New) The implantable medical stent of claim 71, wherein the second material comprises a metal selected from the group consisting of tungsten, tantalum, rhenium, iridium, silver, gold, bismuth, platinum and alloys thereof.

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73. (New) The implantable medical stent of claim 71, wherein the first metal has a density of 9.9 g/cc or greater,

(New) The implantable medical stent of claim 71, wherein the first metal has a 74. density of about 16 g/cc or greater.

75. (New) The implantable medical stent of claim 58, wherein the implantable medical stent has a length of from about two centimeters to about eight centimeters.

76. (New) The implantable medical stent of claim 58 wherein the implantable medical stent has a length of from about four millimeters to about 12 millimeters.--